

WHAT IS CLAIMED IS:

1. A light control type LED lighting equipment comprising:
a LED aggregate lamp portion, in which a first color LED
group, a second color LED group and a third color LED group
5 are included;

an alternating current power connecting portion for being
connected to a power source;

a power source converting portion for rectifying an
alternating current power received through said alternating
10 current power connecting portion;

a first color drive circuit, a second color drive circuit
and a third color drive circuit for supplying power for respective
of the first color LED group, the second color LED group and
the third color LED group by an output of said power source
15 converting portion so as to illuminate the LED groups;

control input generating means for generating one series
of control input signal, a value of said control input signal
increasing or decreasing within a predetermined range in
response to operation by a user;

20 control output generating means for generating a
combination of first color luminance data, a second color
luminance data and a third color luminance data corresponding
to a value of said control input signal according to a
predetermined characteristics; and

25 individual power control means for independently

controlling said first color drive circuit, said second color
drive circuit and said third color drive circuit on the basis
of said first color luminance data, said second color luminance
data and said third color luminance data for varying power supply
5 amount for said first LED group, said second LED group and said
third LED group,

a color tone of said LED aggregate lamp portion being
varied continuously depending on the value of said control input
signal according to a predetermined primary curve set in a
10 chromaticity coordinate.

2. A light control type LED lighting equipment as set forth
in claim 1, further comprising:

second control input generating means for generating one
15 series of second control signal, a value of said second signal
increasing or decreasing within a predetermined range by
operation of the user;

common power control means for uniformly varying power
supply amount for said first color LED group, said second color
20 LED group and said third color LED group by uniformly increasing
or decreasing amount of current value of said first color drive
circuit, said second color drive circuit and said third color
drive circuit depending upon a value of said second control
input signal,

25 said hue of said LED aggregate lamp substantially

maintained while brightness of the lighting is varied.

3. A light control type lighting equipment as set forth in claim 2, wherein said first color drive circuit, said second color drive circuit and said third color drive circuit are constant current type, and said individual power control means individually varies power supply amount for said first color LED group, said second color LED group and said third color LED group by a pulse width modulation method.

4. A light control type LED lighting equipment as set forth in claim 1, further comprising:

second control input generating means for generating one series of second control signal, a value of said second control signal increasing or decreasing within a predetermined range by operation of the user;

common power control means for uniformly varying power supply amount for said first color LED group, said second color LED group and said third color LED group by varying output from said power source converting portion depending upon a value of said second control input signal,

said hue of said LED aggregate lamp substantially maintained while brightness of the lighting is varied.

5. A light control type LED lighting equipment as set forth

in claim 1, wherein said LED aggregate lamp portion, said
alternating current power connecting portion, said power source
converting portion, said first color drive circuit, said second
color drive circuit, said third color drive circuit, said control
5 output generating means including a control signal receiving
portion and said individual power control means are mounted
on the lighting equipment main body, said control input
generating means including a control signal transmitting
portion is mounted on a remote controller separated from said
10 main body, said control signal transmitting portion being
connected to said control signal receiving portion through a
ratio transmission line.

6. A light control type LED lighting equipment comprising:
15 a LED aggregate lamp portion, in which a first color LED
group, a second color LED group and a third color LED group
are included;

a first color drive circuit, a second color drive circuit
and a third color drive circuit for supplying power for respective
20 of the first color LED group, the second color LED group and
the third color LED group so as to illuminating the LED groups;

control input generating means for generating one series
of control input signal, a value of said control input signal
increasing or decreasing within a predetermined range in
25 response to operation by a user;

control output generating means for generating a combination of first color luminance data, a second color luminance data and a third color luminance data corresponding to a value of said control input signal according to a predetermined primary curve set in a chromaticity coordinate;
5 and

individual power control means for independently controlling said first color drive circuit, said second color drive circuit and said third color drive circuit on the basis
10 of said first color luminance data, said second color luminance data and said third color luminance data for varying power supply amount for said first LED group, said second LED group and said third LED group,

wherein a color tone of said LED aggregate lamp portion
15 being varied continuously depending on the value of said control input signal.